

US EPA ARCHIVE DOCUMENT

Shaughnessy No.: 128201

Date out of EAB: JAN 5 1988

To: R. Taylor  
Product Manager 25  
Registration Division (TS-767)

From: Emil Regelman, Supervisory Chemist  
Environmental Chemistry Review Section #3  
Exposure Assessment Branch/HED (TS-769C)

Thru: Paul F. Schuda, Chief  
Exposure Assessment Branch/HED (TS-769C)

*For ER*

*P. Schuda*

Attached, please find the EAB review of...

Reg./File # : 352-UUR

Chemical Name: DPX-Y6202 (Quizalofop ethyl)

Type Product : Herbicide

Product Name : ASSURE

Company Name : E.I. duPont de Nemours and Co.

Purpose : Review of a proposed label for Assure for use on soybeans.

Action Code: 111

EAB # (s): 70979

Date Received: 9/24/87

Total Reviewing Time: 1 day

Date Completed: 1/5/88

Monitoring Study Requested:       

Monitoring Study Volunteered:       

Deferrals to:        Ecological Effects Branch

       Residue Chemistry Branch

       Toxicology Branch

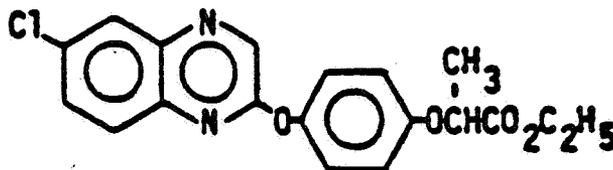
1. CHEMICAL:

chemical name: Ethyl 2-(4-(6-chloroquinoxalin-2-yloxy) phenoxy) propanoate

common name: Quizalofop Ethyl, DPX- Y6202

trade name: ASSURE

structure:



physical/chemical properties:

molecular formula:  $C_{19}H_{17}ClN_2O_4$   
molecular weight: 372.5  
physical state: white, crystalline solid  
melting point:  $91.7 - 92.1^{\circ}C$   
vapor pressure:  $3 \times 10^{-7}$  mm Hg at  $20^{\circ}C$

2. TEST MATERIAL:

Not applicable. No studies were submitted.

3. STUDY/ACTION TYPE:

Review of a proposed label for use on soybeans.

4. STUDY IDENTIFICATION:

Letter to Mr. Robert J. Taylor from Tony E. Catka of E.I. du Pont de Nemours and Company dated August 31, 1987 and a proposed revised label, dated August 1987.

5. REVIEWED BY:

Dana Spatz  
Chemist, Review Section 3  
EAB/HED/OPP

*Dana Spatz*  
Date: JAN 5 1988

6. APPROVED BY:

Emil Regelman  
Supervisory Chemist, Review Section 3  
EAB/HED/OPP

*[Signature]*  
For Emil Regelman  
Date: January 5th, 1958

7. CONCLUSIONS:

EAB cannot concur with the proposed label for "ASSURE" for use on soybeans. As of this date, all registration requirements have not been satisfied. The status of requirements for terrestrial food crop uses is as follows:

REQUIREMENTS SATISFIED

Hydrolysis  
Photodegradation in Water  
Photodegradation on Soil  
Leaching- Adsorption/Desorption  
Fish Accumulation

REQUIREMENTS NOT SATISFIED

Aerobic Soil Metabolism  
Anaerobic Soil Metabolism  
Laboratory Volatility  
Rotational Crops- Confined

CONDITIONAL REQUIREMENTS

\* Terrestrial Field Dissipation  
Field Volatility  
Long-Term Field Dissipation  
Rotational Crops- Field  
Re-entry

\* Pending the results of a toxicological evaluation of 2-[(4-hydroxyphenyl)oxyl]propanoic acid, study accession number 403360-01 may satisfy this requirement.

8. RECOMMENDATIONS:

The registrant should submit the required studies to EAB for review.

9. BACKGROUND:

The registrant has decided to proceed at this time with the registration of the herbicide, quizalofop ethyl, for postemergence use for the control of annual and perennial grasses in soybeans.

The 9.5% EC (ASSURE, 0.8 lb ai/gal) is to be applied at a rate of 0.06 lbs ai/acre - 0.15 lbs ai/acre; not to exceed 0.25 lbs ai/acre per season.

10. DISCUSSION OF INDIVIDUAL TESTS OR STUDIES:

Not applicable. No studies were submitted.

11. COMPLETION OF ONE-LINER:

Not applicable.

12. CBI APPENDIX:

Not applicable.

Assure exposure assessment review

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Pages 5 through 15 are not included in this copy.

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The material not included contains the following type of information:

- Identity of product inert ingredients
  - Identity of product impurities
  - Description of the product manufacturing process
  - Description of product quality control procedures
  - Identity of the source of product ingredients
  - Sales or other commercial/financial information
  - A draft product label
  - The product confidential statement of formula
  - Information about a pending registration action
  - FIFRA registration data
  - The document is a duplicate of page(s) \_\_\_\_\_
  - The document is not responsive to the request
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The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.

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